



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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| <b>(21) International Application Number:</b> PCT/CA00/00520<br><b>(22) International Filing Date:</b> 4 May 2000 (04.05.00)<br><b>(30) Priority Data:</b><br>09/306,017                      6 May 1999 (06.05.99)                      US<br><b>(71) Applicant (for all designated States except US):</b> TERRA<br>NOVA MARINE COMPANY LIMITED [CA/CA]; 119<br>Clyde Avenue, Mount Pearl, Newfoundland & Labrador<br>A1N 4R9 (CA).<br><b>(72) Inventor; and</b><br><b>(75) Inventor/Applicant (for US only):</b> HOPKINS, Gordon, Duane<br>[CA/CA]; Terra Nova Marine Company Limited, 119 Clyde<br>Avenue, Mount Pearl, Newfoundland & Labrador A1N 4R9<br>(CA).<br><b>(74) Agents:</b> ZAHL, Adrian et al.; McFadden, Fincham, Suite 606,<br>225 Metcalfe Street, Ottawa, Ontario K2P 1P9 (CA). |           | <b>(81) Designated States:</b> AE, AL, AM, AT, AU, AZ, BA, BB, BG,<br>BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE,<br>ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,<br>KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,<br>MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU,<br>SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,<br>US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE,<br>LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM,<br>AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT,<br>BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU,<br>MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM,<br>GA, GN, GW, ML, MR, NE, SN, TD, TG).<br><br><b>Published</b><br><i>With international search report.</i><br><i>Before the expiration of the time limit for amending the</i><br><i>claims and to be republished in the event of the receipt of</i><br><i>amendments.</i> |

(54) Title: LIQUID MIST FIRE EXTINGUISHER

## (57) Abstract

A liquid mist fire extinguisher, comprising a container for holding a gas and a liquid under pressure. The extinguisher has valve assembly at the upper end of the container, a valve for simultaneously releasing said gas and said liquid separately from the container, and a hose for feeding said gas and said liquid separately through a nozzle. The nozzle assembly includes means for feeding said gas and said liquid separately through a mixing chamber, and exiting orifices in an end surface of said nozzle assembly for issue of mixed gas and liquid in a fine mist.

